

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF MEDICINE
Curriculum Vitae

Emily F. Conant, MD

January 13, 2005

Home Address:

Office Address:

University of Pennsylvania Medical Center
Department of Radiology
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Philadelphia, PA 19104
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Education:

| | |
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| 1976-80 | B.A. - University of Vermont |
| 1980-84 | M.D.- University of Pennsylvania |

Post-graduate Training and Fellowship Appointment:

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| 1984-85 | Intern, Graduate Hospital Philadelphia, PA |
| 1985-89 | Radiology Residency, Hospital of the University of Pennsylvania, Philadelphia, PA |
| 1988-89 | Fellowship - Concentration Year Pulmonary & Breast Imaging Hospital of the University of Pennsylvania, Philadelphia, PA |

Military Service:

NA

Faculty Appointments:

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| 1985-89 | Assistant Instructor, Department of Radiology University of Pennsylvania |
| 1989-90 | Instructor, Department of Radiology Thomas Jefferson University Hospital |
| 1990-96 | Assistant Professor, Department of Radiology Thomas Jefferson University Hospital |
| 1996-97 | Associate Professor of Radiology Thomas Jefferson University Hospital |
| 1997 - | Associate Professor, Department of Radiology University of Pennsylvania School of Medicine |

Hospital and Administrative Appointments:

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| 1989-97 | Staff Radiologist, Thomas Jefferson University Hospital |
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1997- Active Staff, Department of Radiology, Presbyterian Medical Center
1997- Attending Staff, Department of Radiology, University of Pennsylvania
School of Medicine

Specialty Certification:

1985 Diplomate National Board of Medical Examiners
1988 Written Radiology Board Completion
1989 Oral Radiology Board Completion

Licensure: Pennsylvania

Awards, Honors and Membership in Honorary Societies:

1996 A. Edward O'Hara, MD, Award for excellence in teaching, Thomas
Jefferson University, Department of Radiology
1996 Certificate of Merit, Scientific Exhibit "Two and Three-Dimensional Digital
Imaging of Breast Calcifications: A Method for Improving Diagnostic
Specificity, RSNA
1996 "Rising Star" in "Top Docs" – Philadelphia Magazine
1999 "Top Docs" – Philadelphia Magazine
1999 Certificate of Merit, Scientific Exhibit "Comparison of the Acceptability and
Performance of Image Processing Algorithms in Visualizing Known Lesions
in Digital Mammograms", RSNA
2001 "Top Docs" – Philadelphia Magazine
2002 "Top Docs" – Philadelphia Magazine
2004 Selected for AAMC Mid-Career Advancement Symposium, July 2004

Memberships in Professional and Scientific Societies:

National Societies:

1990- Radiological Society of North America
1994- Society of Breast Imaging
1996- American Roentgen Ray Society

Editorial Positions:

1993- Reviewer: AJR
1999-2003 Deputy Editor - Academic Radiology
2001- Reviewer: Radiographics
2001- Reviewer: New England Journal of Medicine
2001- Reviewer: Breast Cancer.org
2002- Reviewer: - Radiology
2003- Reviewer: Academic Radiology

National Committees

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- 1997- IDMDG - International Digital Mammography Development Group
- 1998- ACRIN - NCI - Breast Committee
- 2000- ACRIN - NCI - Executive Committee for DMIST Trial
- 2001- Breast cancer.org Professional Advisory Board
- 2002 - Radiologic Society of North America Scientific Program Committee – Breast Subcommittee Member
- 2002- FDA – Radiological Devices Panel Member
- 2003- Radiologic Society of North America Scientific Program Committee – Breast Subcommittee Member
- 10/2003- FDA – General and Plastic Surgery Devices Panel. Review Silicone Breast Implants
- 10/2004- Chair, FDA Radiological Devices Panel (5 year appointment)

Academic Committees at the University of Pennsylvania and Affiliated Hospitals: (New recruits: list activities at prior institution.)

- 1998 - Department of Radiology Strategic Planning Committee “Quality of Life” - Chair
- 1999 - 2001 – Radiology Department Residency Selection Committee
- 2000 - 2001 Dean’s Review Committee, Department of Dermatology
- 2000 - University of Pennsylvania Student Conduct Council
- 2002 - Strategic Planning, Women’s Diversity Committee
- 2002 - Advisory Committee, Focus on Health and Leadership for Women
- 2002- Chair of Fellowship Committee, Department of Radiology
- 2003- Gender Equity Council Member, Medical School

Major Teaching and Clinical Responsibilities at the University of Pennsylvania and Affiliated Hospitals:

1. Chief, Breast Imaging
2. Mammography Residents
3. Coordinator of Women’s Imaging Fellowship, Department of Radiology
4. Mammography/Pathology Conference/HUP one afternoon/week
5. Member of University of Pennsylvania Cancer Center
6. Mentor for Women’s Health Elective – Department of Medicine
7. Mentor for Medical Student Senior Research Project
8. Mentor for Undergrad “Pre-med” student, Summer 2004
9. Mentor of Germantown Friends High School Student “Junior Project Time”- Women’s Health, January 2005

Lectures by Invitation:

January 25, 2000 - Chestnut Hill Hospital OB/GYN Grand Rounds, University of Pennsylvania Health System. “Multimodality Breast Imaging”. Chestnut Hill, PA.

March 8, 2000 - Cancer Center Grand Rounds, University of Pennsylvania Medical Center. “Update on Breast Imaging”. Philadelphia, PA.

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September 14-15, 2000. NCI - Second National Forum & Workshop on Biomedical Imaging. "Digital Mammography". Bethesda, MD.

October 4, 2000. Panel Member – Life After Breast Cancer Symposium. University of Pennsylvania Cancer Center/Hospital of the University of Pennsylvania – Expert Panel Member "Diagnostic Breast Imaging".

November 1, 2000 – Albert Einstein Medical Center/Jefferson Health System, Harold J. Isard, MD, Memorial Lecture. "Multimodality Breast Imaging: Additions to the Armamentarium". Philadelphia, PA.

February 26 – March 2, 2001 – Cross-Sectional Imaging. (1) "Breast Ultrasound: What's New?" (2) "Interventional Breast Imaging: Tailoring the Procedure for the Patient" (3) "Digital Mammography: Is it Prime Time Yet?" University of Pennsylvania School of Medicine. St. Lucia, Windward Islands.

March 26-30, 2001. Radiology Update 2001: Neuro, Body, Mammo and MR Applications. (1) "Breast Ultrasound: What's New" (2) "Digital Mammography: Is It Prime Time Yet?" (3) "Multi-Modality Breast Imaging" (4) "Interventional Breast Imaging" University of Pennsylvania Medical Center, University of Pennsylvania School of Medicine. Snowmass, CO.

May 24, 2001 - "Resident Interesting Case Review". Visiting Professor Lecture Series - Bryn Mawr Hospital, Bryn Mawr, PA.

October 19, 2001. Life After Breast Cancer Symposium. Hospital of the University of Pennsylvania Cancer Center. Expert Panel Member "Diagnostic Breast Imaging".

December 4-7, 2001 – Imaging in Nevis. (1) "Digital Mammography: Is It Prime Time"? (2) "High Risk Breast Cancer Screening" (3) "Breast Interventional Update" (4) "Multi-Modality Breast Imaging: Case Review". University of Pennsylvania Medical Center, University of Pennsylvania School of Medicine. Nevis, West Indies, Caribbean.

January 25, 2002 - Chestnut Hill Hospital OB/GYN Grand Rounds, University of Pennsylvania Health System. "Multimodality Breast Imaging". Chestnut Hill, PA.

March 25-29, 2002 – Radiology Update 2002. (1) "High Risk Breast Cancer Screening" (2) Case Based Mammography – Pathology Correlation" (3) The Economic Realities of Breast Imaging" (4) Interventional Breast Biopsies: Patient Selection, Techniques and Controversies". University of Pennsylvania Medical Center, University of Pennsylvania School of Medicine. Snowmass, CO

April 17, 2002 – South Jersey Cancer Society. "Update on Breast Cancer Screening" Wheaton Village, Vineland, NJ.

May 20, 2002 – "Mammo/Path Correlation, Controversial Lesions". Pennsylvania Hospital. University of Pennsylvania Health System. Philadelphia, PA.

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September 13, 2002 – University of Pennsylvania Cancer Center. University of Pennsylvania Health System. Changing Concepts in Breast Cancer 2002. “The Mammogram Controversy Revisited: Sorting it All Out”. Rittenhouse Hotel, Philadelphia, PA.

September 23-25, 2002 – Women’s Imaging Conference. An Update on Practical Health Issues & Mammography. (1) “Breast Cancer Screening Controversies” (2) “New Modalities in Breast Cancer Screening” (3) “Mammography-Pathology Correlation”. University of Pennsylvania Medical Center, University of Pennsylvania School of Medicine, Philadelphia, PA.

October 21, 2002 – Life After Breast Cancer, The 11th Annual Symposium for Breast Cancer Survivors and Their Loved Ones. “Mammography: What’s All the Fuss?” University of Pennsylvania Abramson Cancer Center. Adams Mark Hotel, Philadelphia, PA

November 16, 2002 – Living Beyond Breast Cancer’s 23rd Semi-Annual educational conference. “Testing, Testing, 1-2-3: What Kinds of Tests Do You Need Before, During and After Treatment”. Pennsylvania Convention Center. Philadelphia, PA.

February 6, 2003 – Philadelphia Roentgen Ray Society/George E. Pfahler, MD Annual Oration Lecture. “Multimodality Breast Imaging”. Mitchell Hall at the College of Physicians, Philadelphia, PA.

June 21, 2003 – Eugene Pendergrass Annual Symposium. “Multimodality Breast Imaging” University of Pennsylvania Medical Center/Department of Radiology. Philadelphia, PA.

October 15, 2004 – Imedex, Inc. - 10th Annual Perspectives in Breast Cancer. “MRI as a Screening Tool for Breast Cancer”. Boston, MA.

Organizing Roles in Scientific Meetings:

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| April 2-4, 1998 | Practical Breast Imaging: An Update, Course Co-Director. University of Pennsylvania Medical Center. Philadelphia, PA |
| May 5-8, 1999 | Practical Breast Imaging: An Update, Course Co-Director. University of Pennsylvania Medical Center. Philadelphia, PA |
| Sept 23-25, 2002 | An Update on Practical Health Issues & Mammography, Course Co-Director. University of Pennsylvania Medical Center, Philadelphia, PA |
| 2002-2004 | Radiological Society of North America Scientific Program Committee, Breast Sub-committee, Chicago, IL |

Bibliography:

Emily F. Conant, M. D.

Research Publications, peer reviewed

Schantz P, Fox ER, Norgren P, Tyden A. The relationship between the mean fiber area and the muscle cross-sectional area of the thigh in subjects with large differences in thigh girth. Acta Physiol Scand 1981;113:537-539.

Schantz P, Fox ER, Hutchinson W, Tyden A, Astrand PO. Muscle fiber type distribution, muscle cross-sectional area and maximal voluntary strength in humans. Acta Physiol Scand 1983; 117:219-226.

Fox ER, Laufer I, Levin M. Response of gastric lymphoma to chemotherapy: Radiographic appearance. AJR 1984;142:711-714.

Fox ER, Miller WT. Significant delayed pneumothoraces. Letter to the Editor. AJR 1986;147:1090.

Fox ER, Chung T, Laufer I. Enteroliths in the continent ileostomy. AJR 1988;150:105-106.

Conant EF, Glickstein MF, Mahar P, Miller WT. Pulmonary sarcoidosis in the older patient: Conventional radiographic features. Radiology 1988;169:315-319.

Geffer WB, Conant EF. Issues and controversies in the plain-film diagnosis of asbestos-related disorders in the chest. J. Thoracic Imag 1988;3(4):11-28.

Conant EF, Fox KR, Miller WT. Pulmonary edema as a complication of interleukin-2 therapy. AJR 1989;152:749-652.

Conant EF, Troupin R. Ultrasound for breast imaging. Contemp Int Med 1990; Vol 2:34-36.

Conant EF, Wechsler RJ. Actinomycosis and Nocardiosis of the lungs. J Thorac Imag 1992;7(9):75-84.

Wechsler RJ, Steiner RM, Conant EF. Occupationally induced neoplasm of the lung and pleura. Rad Clinics of N America 1992;30(6):1245-1268.

Wechsler RJ, Spirn PW, Conant EF, Steiner RM, Needleman L. Thrombosis and infection caused by thoracic venous catheters; pathogenesis and imaging findings. AJR 1993;160:467-471.

Conant EF, Wilkes AN, Mendelson EB, Feig SA. Superficial thrombophlebitis of the breast (Mondor's disease): mammographic findings. AJR 1993;160:1201-1203.

Autz G, Conant EF, Case of the Season: Invasive lobular carcinoma. Seminars in Roentgenology 1993; 28:177-81.

Orel SG, Fowble BL, Solin LJ, Schultz DJ, Conant EF, Troupin RH. Breast cancer recurrence after lumpectomy and radiation for early stage breast disease: Prognostic significance of

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detection method. Radiology 1993;188:189-194.

Schwartz GF, Carter D, Conant EF, Gannon FH, Finkel GC, Feig SA. Mammographically detected breast cancer: Nonpalpable is not a synonym for inconsequential. Cancer 1994; 73(6):1660-1665.

O'Boyle MK, Wechsler RJ, Conant EF, Lev-Toaff AS, Sagerman J. Breast implants: Incidental findings on CT. AJR 1994;162:311-313.

Conant EF, Dillon RL, Palazzo JP, Ehrlich SM, Feig SA: Imaging findings in mucin-containing carcinomas of the breast: correlation with pathologic features AJR 1994; 163:821-824.

Murphy TJ, Conant EF, Hanau C, Ehrlich SM, Feig SA: Bilateral breast carcinoma: mammographic and histologic correlation. Radiology 1995; 195:617-621.

Conant EF, Forsberg F, Moore JH, Piccoli CW, Rawool NM, Greer J, Fox JW: Surgical removal of ruptured breast implants: The use of intraoperative sonography in localizing free silicone. AJR 1995; 165:1378-1379.

Cox D, Conant EF, Earle L, Newman J, Kahaleh B, Jimenez S, Varga J. Sarcoidosis in Systemic Sclerosis: Report of 7 Cases. J Rheumatol 1995; 22:881-885.

Forsberg F, Conant EF, Russell KM, Moore JH Jr: Quantitative ultrasonic diagnosis of silicone breast implant rupture: An in vitro feasibility study. Ultrasound in Med and Biol Jan. 1996, Vol 22 (1):53-60.

Conant EF, Maidment AD. Breast Cancer Imaging. Scientific American, Science & Medicine 1996; 3(1):22-31.

Kane GC, Varga J, Conant EF, Spirn PW, Jimenez S, Fish FE. Lung involvement in systemic sclerosis (Scleroderma): Relation to classification based on extent of skin involvement or autoantibody status. Respir Med 1996; 90:223-230.

Abeyratne UR, Petropulu AP, Reid JM, Conant EF, Forsberg F: Higher order vs. second order statistics in ultrasound image deconvolution. IEEE Trans Ultrason Ferroelec Freq Contr 1997; 44(6):1409-1416.

Maidment AD, Albert A, Conant EF. Three Dimensional imaging of breast calcifications. SPIE 1997; 3240:200-208.

Czerniecki BJ, Scheff AM, Callans LS, Spitz FR, Bedrosian I, Conant EF, Orel SG, Berlin J, Helsabeck C, Fraker DL, Reynolds C. Immunohistochemistry with pancytokeratins improves the sensitivity of sentinel lymph node biopsy in patients with breast cancer. Cancer 1999; 85(5):1098-1103.

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Kundel HL, Weinstein SP, Conant EF, Toto L, Nodine C. A perceptually tempered display for digital mammograms. *Radiographics*, 1999; 19(5):1313-1318.

Nodine CF, Kundel HL, Mello-Thomas C, Weinstein SP, Orel SG, Sullivan DC, Conant EF. How experience and training influence mammography expertise. *Acad Radiol* 1999; 6(10):575-585.

Pisano ED, Maidment A, Niklason L, Conant EF, Fajardo L, Kopans D. Image Processing for Digital Mammography: A pictorial essay demonstrating the effects of commonly available algorithms. *Radiographics* 2000; 20:1479-1491.

Bedrosian I, Reynolds C, Mick R, Callans LS, Grant CS, Donohue JH, Farley DR, Heller R, Conant EF, Lawton T, Fraker DL, Czerniecki BJ. Accuracy of sentinel lymph node biopsy in patients with large primary breast tumors. *Cancer* 2000; 88(11):2540-2545.

Sehgal CM, Arger PH, Rowling SE, Conant EF, Reynolds C, Patton JA. Quantitative vascularity of breast masses by doppler imaging: regional variations and diagnostic implications. *J Ultrasound Med* 2000; 19(7):427-440.

Weinstein SP, Conant EF, Orel SG, Zuckerman JA, Czerniecki B, Lawton TJ. Retrospective review of palpable breast lesions biopsied after negative mammography and sonography. *Journal of Women's Imaging* 2000; 2:15-18.

Zhu Q, Conant EF, Chance B. Optical imaging as an adjunct to sonography in differentiating benign from malignant breast lesions. *Journal of Biomedical Optics* 2000; 5(2):229-236.

Pisano ED, Cole EB, Major S, Zong S, Hemminger BM, Johnston RE, Conant EF. Radiologists' preference for digital mammographic display. *Radiology* 2000; 216(3):820-830.

Pisano ED, Cole EB, Hemminger BM, Johnston RE, Williams MB, Aylward SR, Maidment AD, Niklason LT, Conant EF. Image processing algorithms for digital mammography - A pictorial essay. *Radiographics* 2000; 20:1479-1491.

Weinstein SP, Conant EF, Orel SG, Zuckerman JA, Bellah R. Spectrum of US findings in pediatric and adolescent patients with palpable breast masses. *RadioGraphics* 2000; 20(6):1613-1621.

Nodine CF, Mello-Thomas C, Weinstein SP, Kundel HL, Conant EF, Heller-Savoy RE, Rowling S, Birnbaum JA. Blinded review of retrospectively visible unreported breast cancers: An eye position analysis. *Radiology*; 2001;221:122-129.

Weinstein SP, Orel SG, Collazzo L, Conant EF, Lawton TJ, Czernieck B. Cyclosporine A induced fibroadenomas of the breast. *Radiology* 2001; 220(2):465-468.

Weinstein SP, Conant EF, Orel SG, Lawton TJ, Acs G. Diabetic mastopathy in men. *Radiology* 2001; 219(3):797-799.

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Arger PA, Seghal CM, Conant EF, Zuckerman J, Rowling SE, Patton JA, Study P. Interreader variability and predictive value of US descriptions of solid breast masses: pilot study. Acad Radiol 2001; 8(4):335-342.

Chang J H-C, Vines E, Bertsch H, Fraker D, Czerniecki B, Rosato EF, Tomaszewski JE, Conant EF, et al. The impact of a multidisciplinary breast cancer center on recommendations for patient management: the University of Pennsylvania experience. Cancer 2001; (91)7:1231-1237.

Hendrick RE, Lewin JM, D'Orsi CJ, Kopans DM, Conant EF, Cutter GR, Sitzler A. Non-inferiority study of FFDM in an enriched diagnostic cohort: comparison with screen-film mammography in 625 women. In IWDM 2000 5th International Workshop on Digital Mammography. Martin J. Yaffe, Editor. Madison, WI: Medical Physics Publishing Co., p. 475-481, 2001.

Pisano ED, Cole E, Hemminger BM, Muller K, Shumak R, Yaffe M, Chakraborty D, Conant EF, et al. Accuracy of digital mammography vs. screen-film mammography in a diagnostic mammography population. In IWDM 2000 5th International Workshop on Digital Mammography. Martin J. Yaffe, Editor. Madison, WI: Medical Physics Publishing Co., p. 504-511, 2001.

Saha PK, Udupa JK, Conant EF, Chakraborty D, Sullivan D. Breast tissue density quantification via digitized mammograms. IEEE Trans Med Imaging 2001; 20(8):792-803.

Conant EF, Maidment ADA. Update on digital mammography. Breast Diseases 2001;13:109-124.

Beam CA, Conant EF, Sickles EA. Factors affecting radiologist inconsistency in screening mammography. Academic Radiology 2002; 9(5):531-540.

Weinstein SP, Seghal C, Conant EF, Patton JA. Microcalcifications in breast tissue phantoms visualized with acoustic resonance coupled with power doppler US: Initial observation. Radiology 2002; 224(1):265-269.

Chakraborty DP, Conant EF, Johnson Jeffrey P. Observer performance evaluation of a method of simulating abnormalities in mammograms. Proc. SPIE Vol. 4686, p. 263-272, Medical Imaging 2002: Image Perception, Observer Performance, and Technology Assessment, Dev P. Chakraborty, Elizabeth A. Krupinski; Eds.

Weinstein SP, Conant EF, Acs G. Diagnosis Please. Radiology 2003;226:515-516.

Beam CA, Conant EF, Sickles EA. Association of volume and volume-independent factors with accuracy in screening mammogram interpretation. JNCI 2003; 95:282-290.

Cole EB, Pisano ED, Kistner EO, Muller KE, Johnston RE, Yaffe MJ, Brown ML, Conant EF, Fajardo LL, Feig SA, Jong RA, Kopans DB, Maidment ADA, Shumak R, Staiger MJ, Williams MB, Kuzmiak CM, Freimanis RI, Lesko N, Rosen EL, Sanders E, Soo MS, Vo T, Walsh R,

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Williford M, Braeuning MP. Diagnostic accuracy of digital mammography in patients with dense breasts presenting for problem-solving mammography-image processing and lesion type effects. Radiology 2003; 226:153-160.

Weinstein SP, Conant EF. Eleven-year-old with breast mass. Pediat Case Rev 2003; 3(2):91-4.

Weinstein SP, Conant EF, Acs G. Angiolipoma of the Breast. Radiology 2003 Jun;227(3):773-775

Beam CA, Conant EF, Sickles EA, Weinstein S. Evaluation of Proscriptive Health Care Policy Implementation in Screening Mammography. Radiology 2003 Nov; 229(2):534-540.

Weinstein SP, Conant EF, Mies C, Acs G, Lee S, Sehgal C. Posterior acoustic shadowing in benign breast lesions: sonographic-pathologic correlation. Journal of Ultrasound in Med. J Ultrasound Med. 2004 Jan; 2(1)3:73-83.

Sehgal CM, Cary TW, Kangas SA, Weinstein SP, Schultz SM, Arger PH, Conant EF. Computer-based margin analysis of breast sonography for differentiating malignant and benign masses. J Ultrasound Med 2004 Sep; 23(9):1201-1209.

Weinstein AP, Conant EF, Sehgal CM, Woo IP Patton JA. Hormonal variations in the vascularity of breast tissue. J Ultrasound Med. 2005 Jan; 24(1):67-72.

----- (need the rest of the information)

----- Accepted.

Contributions to peer-reviewed clinical research publications, participation cited but not by authorship:

None

Research Publications, non-peer reviewed:

None

Abstracts:

Sehgal CM, Arger PH, Rowling SE, Conant EF, Reynolds C, Patton JA. Noninvasive vascularity of breast masses by ultrasound doppler imaging. AACR 91st Annual Meeting 2000; 41(P)723.

Weinstein SP, Mello-Thomas C, Nodine CF, Conant EF, Kundel HL. Using eye fixation data to determine if retrospectively detected breast cancers are visible on blinded review. (RSNA) Radiology 2000; 217(P):355.

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Sehgal CM, Arger PH, Rowling SE, Conant EF, Reynolds C, Patton JA. ROC analysis of quantitative Doppler imaging for differentiating malignant and benign breast masses. (RSNA) Radiology 2000; 217(P):492.

Arger PH, Sehgal CM, Conant EF, Zuckerman JA, Rowling SE, Patton JA. Inter-reader variability of ultrasound breast mass characteristics to predict benign vs malignant histology. (RSNA) Radiology 2000; 217(P):493.

Lo L, Conant EF, Acs G, Weinstein SP, Schnall MD. Multimodality imaging of breast carcinomas: radiologic-pathologic correlation. (RSNA) 2000; 217(P):627.

Hendrick RE, Lewin JM, D'Orsi CJ, Kopans DB, Conant EF, Cutter GR, et.al., A multireader non-inferiority study of full-field digital mammography in an enriched diagnostic cohort. (RSNA) Radiology 2001; 221(P):283.

Woo IJ, Conant EF, Sehgal CM, Birnbaum JA, Weinstein SP. Can breast ultrasound detect changes in vascularity and glandularity due to hormonal changes of the menstrual cycle? (RSNA) Radiology 2001; 221(P):607.

Weinstein SP, Conant EF, Acs G. Benign or malignant: Only the shadow knows. (RSNA) 2001; 221(P):697.

Beam CA, Conant EF, Sickles EA. Evaluation of prescriptive health policies in screening mammography. (RSNA) Radiology 2002; 225(P):316.

Lee SG, Conant EF, Weinstein SP, Orel SG. Recognition and management of breast hematomas based on their mammographic and sonographic appearance. (RSNA) Radiology 2002; 225(P):684.

Grevera GJ, Udupa JK, Conant EF, Chakraborty DP, Sehgal CM, Schnall MD. Aligning 2D and 3D breast images. (RSNA) Radiology 2002; 225(P):684.

Beam CA, Conant EF, Sickles EA. Correlation of skill in screening interpretation with skill in diagnostic interpretation of mammograms. (RSNA) Radiology 2003; 227(P):405.

Chaudhry MA, Schnall MD, Englander SA, Conant EF, Localio R. Role of mammography, sonography, and MRI in detecting and characterizing breast cancer. (RSNA) Radiology 2003; 227(P):613.

Sehgal C, Kangas S, Cary T, Weinstein SP, Schultz S, Arger P, Conant, E. Quantitative description of solid breast nodules by ultrasonic imaging. Proceedings of SPIE 2004 (April); 5373:324-330.

Schultz SM, Conant EF, Weinstein SP, Kangas SA, Arger PH, Schnall MD, et al. Evaluation of ultrasound imaging parameters on the Frenet effects in breast imaging. (RSNA) Radiology (Dec) 2004; 233(3) (S):142. (Poster)

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Kangas SA, Schultz SM, Conant EF, Weinstein SP, Arger PH, Schnall MD, et al. Differences between conventional and compound ultrasound imaging of solid breast lesions. (RSNA) Radiology (Dec) 2004; 233(S):142. (Poster)

Cary T, Conant EF, Arger PH, Sehgal CM. Semi-automated boundary detection of breast masses in ultrasound images. (RSNA) Radiology (Dec) 2004; 233(S):448.

Chaudhry MA, Conant EF, Schnall MD, Weinstein SP, Lee SG, Rosen M. The impact of multimodality imaging in the evaluation of category 4 breast lesions. (RSNA) Radiology (Dec) 2004; 233(S):653.

Conant EF, Schnall MD, Weinstein SP, Rosen M, Lee S, Orel S. Multimodality screening for breast cancer in a high risk population. (RSNA) Radiology (Dec) 2004; 233(S):653.

Books:

----- In press.

Editorials, Reviews, Chapters:

Birnbaum JA, Conant EF: Breast Imaging (Chapter 2) in: Torosian MH, ed. *Breast Cancer-A Guide to Detection and Multidisciplinary Therapy*, Totowa, NJ: Humana Press Inc, 2002:19-69.
Alternative Media:

November 27-29, 1994. - *CBS News, Good Morning America*, Interview with Ms. Paula Zahn regarding mammography in women 40-49 years of age.

Fall of 1994-Spring 1995 - Research quoted or referenced in: *Vogue, Redbook, Readers Digest, American Health Magazine, USA Today, New York Times, Washington Post, etc.*

April 28, 1998. - False Positive Mammographic Interpretations. Internet Access. Interviewed by Chris Kelley, freelance reporter.

May 18, 2001. Lifetime television series – Women Doc's.

July 19, 2001. Third Thursday Night Expert Q&A Chat. "The best tests: for detection, through treatment, & post-treatment follow-up". Breast cancer.org – Jefferson Health System and the Fox Chase Cancer Center Network.

September Issue, 2002. Women's Day Magazine Interview.

September 7-8, 2002. Penn Vital Signs television show on breast cancer. University of Pennsylvania Health System's Marketing Department.

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September 7, 2002. Breast Experts Q&A Chat. "Breast Cancer Awareness Month - Ask our experts your questions about breast cancer." University of Pennsylvania Health System. pennhealth.com

October 9, 2002. MSNBC News interview. "Expertise key to mammograms's value"

October 16, 2002. Reuters News Interview. "Many Tumors Detected by Mammography are Noninvasive". www.reuters.com/news.

October 23, 2002. KYW news. Breast Cancer Awareness Month - interview - DMIST story.

January 8 & 9, 2004. Night-Ridder news service. "FDA rejects return of silicone breast implants" Sources: The State (SC), Aberdeen American News (SD), Tallahassee Democrat (FL), St Paul Pioneer Press (MN), Seattle Times (WA), Miami Herald (FL), Philadelphia Inquirer (PA), Fort Lauderdale Sun-Sentinel (FL), Wilkes-Barre Times Leader (PA), Grand Forks Herald (ND), Macon Telegraph (GA), Biloxi Sun Herald (MS), Duluth News Tribune (MN), San Luis Obispo Tribune (CA), Columbus Ledger-Enquirer (GA), Bradenton Herald/Bradenton.com (FL), Fort Wayne News-Sentinel/Fort Wayne.com (IN), Myrtle Beach Sun News (SC), Philadelphia Daily News (PA).

May 6, 2004. Breast Health Resource Hotline at CBS 3 studio in Philadelphia (aired 3:30 PM to 7:00 PM, sponsored by the Susan G. Komen Breast Cancer Foundation Philadelphia Affiliate.

July 11, 2004. WOGL Radio Station. Agenda Philadelphia (Philly Talk). "NDMA" (National Digital Mammography).

July 12, 2004. U.S. News & World Report. Interviewed for Special Report *America's Best Hospitals*. Page 56.

October, 2004. Ladies Home Journal. *The Breast Cancer Crisis*. Pages 166-176.

January 3, 2005. Philadelphia Business Journal. Interview "Mammography archive wins following". Print edition December 31, 2004.

Patents:

None